ELECTRICAL COMMUNICATION INDEX, VOLUME 61 (1987)

Subject Index

	Number	Page
Alcatel NV: Its Structure, Strategy and Technologies, P. Gluntz	3	251
Analysis of Communication Alternatives, Tool for ISDN Planning and the, J. Agustí and O. González Soto	1	90
Asynchronous Time Division Techniques, Broadband Experiment Using, J. Bauwens and M. De Prycker	1	123
Broadband Communication Network, Towards the Integrated, F. Casali and S. R. Treves	1	131
Broadband Exchange, Realization of a, D. Boettle, T. Dripke, and G. Eilenberger	4	428
Broadband Experiment Using Asynchronous Time Division Techniques, J. Bauwens and M. De Prycker	1	123
Broadband Information Network, Experimental Private, S. Aamlid, J. O. Hellvik, and B. Rossow	1	118
Broadband ISDN, Concept and Realization of the, W. Andrich, G. Bostelmann, and A. Weygang	1	110
Business Systems Group, X. Namy	3	276
Business Systems Products	3	328
Cable Group	3	292
Cables and Allied Products	3	359
Concept and Realization of the Broadband ISDN, W. Andrich, G. Bostelmann, and A. Weygang	1	110
Corporate Data Network for Information Exchange, K. Van Gestel	2	173
Data Network for Information Exchange, Corporate, K. Van Gestel	2	173
D Channel Protocol Simulator, ISDN, W. Kirchner and P. Wagner	1	97
Digital Loops, ISDN Components for Public and Private, P. Van Iseghem, J. M. Danneels, M. C. Rahier, A. Krüger, and K. Széchényi	1	63
Digital PABX Range for the Evolving ISDN, L. Lichtenberg, P. P. Reusens, J. R. Taeymans, and C. Rigoli	1	81
Digital Telephone Network, ISDN Introduction into the French, J.-B. Jacob and M. Ruvoen	1	19
Dispersion Shifted Fiber for Long Unrepeatered Submarine Systems, M. Carratt, C. Reinaudo, R. Jocteur, and J-P. Trezeguet	4	384
Dynamic Transducer T800, M. Kjeldsen	4	410
Engineering in Alcatel NV, Research, Technology and, J. Blanché, H. Ohnsorge, and G. Zeidler	3	256
Experimental Private Broadband Information Network, S. Aamlid, J. O. Hellvik, and B. Rossow	1	118
Expert Systems, Intelligence Service: A Tool for Building, B. Flamant and G. Girard	4	417
E10 Exchange Technology to India, Transfer of Alcatel, J.-M. Buzy-Debat and G. Farrenc	2	232
Fiber for Long Unrepeatered Submarine Systems, Dispersion Shifted, M. Carratt, C. Reinaudo, R. Jocteur, and J-P. Trezeguet	4	384
Fiber Optic Gyroscope: An Advanced Rotation Rate Sensor, W. Auch, E. Schlemper, and W. Wenzel	4	372
Field Trials, ISDN, M. Alonso, M. Bryan, B. Rossi, and W. Simons	1	6
Granulometer, High Resolution Submicron, J. Cornillault, J-L. Duvent, F. Pierré, and J-C. de Miscault	4	446
Guide to the Alcatel Stands at Telecom 87	3	304
Gyroscope: An Advanced Rotation Rate Sensor, Fiber Optic, W. Auch, E. Schlemper, and W. Wenzel	4	372
High Resolution Submicron Granulometer, J. Cornillault, J-L. Duvent, F. Pierré, and J-C. de Miscault	4	446
ICs for Long Distance Transmission, Reliable High Speed Bipolar, J. Brierre, J-C. Cadene, J-Y. Fourrier, J-M. Thilliez, and D. Tribet	4	396
Implementation of the U Interface Circuit, K. Széchényi and F. Zapf	1	57
India, Transfer of Alcatel E10 Exchange Technology to, J.-M. Buzy-Debat and G. Farrenc	2	232
Integrated Broadband Communication Network, Towards the, F. Casali and S. R. Treves	1	131
Intelligence Service: A Tool for Building Expert Systems, B. Flamant and G. Girard	4	417
Internal Packet Protocol and Associated Hardware for the System 12 Digital Exchange, R. Betts, K. Mensen, and J. Ess Skinner	1	44
ISDN Components for Public and Private Digital Loops, P. Van Iseghem, J. M. Danneels, M. C. Rahier, A. Krüger, and K. Széchényi	1	63
ISDN D Channel Protocol Simulator, W. Kirchner and P. Wagner	1	97
ISDN, Digital PABX Range for the Evolving, L. Lichtenberg, P. P. Reusens, J. R. Taeymans, and C. Rigoli	1	81
ISDN Exchanges, Models and Tools for Evaluating the Traffic Handling Performance of System 12, B. Fontana, M. Villén-Altamirano, and G. H. Petit	1	104
ISDN Field Trials, M. Alonso, M. Bryan, B. Rossi, and W. Simons	1	6

	Number	Page
ISDN Introduction into the French Digital Telephone Network, J.-B. Jacob and M. Ruvoen	1	19
ISDN Modules for System 12, A. Chalet, H. Kreutzer, J. Schuhmacher, F. Van den Brande, and J. F. Zeigler	1	35
ISDN Pilot Project of the Deutsche Bundespost, D. Becker and L. Gasser	1	13
ISDN Planning and the Analysis of Communication Alternatives, Tool for, J. Agustí and O. González Soto	1	90
ISDN Standards for Public and Private Networks, B. N. Kearsey, G. Fink, and F. Pioli di Marco	1	26
ISDN, Subsets, Terminals, and Terminal Adapters for the Public, D. Adolphs, P. Wagner, and T. Alvestad	1	72
ISDN Transaction Architecture for the System 12 Digital Exchange, A. Chalet and J. Ess Skinner	1	50
Japan, Packet Switching Software Technology Transfer to, R. M. Simpson	2	213
Korea, Technology Transfer to, J. Quaeyhaegens	2	208
Microwave Systems, New Generation of Radiofrequency Demodulation Digital, R. Dujardin and Y-Y. Lebret	4	404
Models and Tools for Evaluating the Traffic Handling Performance of System 12 ISDN Exchanges, B. Fontana, M. Villén-Altamirano, and G. H. Petit	1	104
Network Enhancements, Public Networks: Telecommunication Service Systems and Other	3	320
New Generation of Radiofrequency Demodulation Digital Microwave Systems, R. Dujardin and Y-Y. Lebret	4	404
NOVELINK: A Small, Multifeature PABX, R. A. Steinberg	4	439
Office Terminals, Telephone Subsets and	3	340
Opportunity for Alcatel NV, Telecommunication in Europe: An, E. Davignon	3	245
Optical Cables, Reflectometers for Submarine, J. J. Bernard, C. Bastide, and B. Coutty	4	379
Optical Systems for Remote Areas, D. J. Morris and M. P. Quigley	4	389
Optical Telemonitoring and Transmission Network for Large Transportation Systems, J. Lecomte and M. Seguin	4	422
Outside Line Plant Group, U. Ferroni	3	298
Overview, G. Robin	1	4
Overview, B. J. McFadden	2	142
Overview, P. Suard	3	242
Overview, J. Ernest	4	370
PABX, NOVELINK: A Small, Multifeature, R. A. Steinberg	4	439
PABX Range for the Evolving ISDN, Digital, L. Lichtenberg, P. P. Reusens, J. R. Taeymans, and C. Rigoli	1	81
Packet Switching Software Technology Transfer to Japan, R. M. Simpson	2	213
People's Republic of China, System 12 Technology Transfer to the, Zhou Huasheng and M. Kerkhofs	2	186
Pilot Project of the Deutsche Bundespost, ISDN, D. Becker and L. Gasser	1	13
Planning and the Analysis of Communication Alternatives, Tool for ISDN, J. Agustí and O. González Soto	1	90
Planning for Technology Transfer, B. Gervais	2	226
Protocol Simulator, ISDN D Channel, W. Kirchner and P. Wagner	1	97
Public and Private Digital Loops, ISDN Components for, P. Van Iseghem, J. M. Danneels, M. C. Rahier, A. Krüger, and K. Széchényi	1	63
Public and Private Networks, ISDN Standards for, B. N. Kearsey, G. Fink, and F. Pioli de Marco	1	26
Public Networks: Major Products	3	312
Public Networks Sector, J. Cornu	3	268
Public Networks: Telecommunication Service Systems and Other Network Enhancements	3	320
Radiofrequency Demodulation Digital Microwave Systems, New Generation of, R. Dujardin and Y-Y. Lebret	4	404
Realization of a Broadband Exchange, D. Boettle, T. Dripke, and G. Eilenberger	4	428
Reflectometers for Submarine Optical Cables, J. J. Bernard, C. Bastide, and B. Coutty	4	379
Reliable High Speed Bipolar ICs for Long Distance Transmission, J. Brierre, J-C. Cadene, J-Y. Fourrier, J-M. Thilliez, and D. Tribet	4	396
Research, Technology and Engineering in Alcatel NV, J. Blanché, H. Ohnsorge, and G. Zeidler	3	256
Rotation Rate Sensor, Fiber Optic Gyroscope: An Advanced, W. Auch, E. Schlemper, and W. Wenzel	4	372
Small Multifeature PABX, NOVELINK: A, R. A. Steinberg	4	439
Software Engineering, VM/, B. Nicolas and A. Veillon	4	453
Software Technology Transfer of the System 12 Generic Kernel, G. J. Wisdom	2	160
Software Technology Transfer to Japan, Packet Switching, R. M. Simpson	2	213
Standards for Public and Private Networks, ISDN, B. N. Kearsey, G. Fink, and F. Pioli de Marco	1	26
Submarine Optical Cables, Reflectometers for, J. J. Bernard, C. Bastide, and B. Coutty	4	379

	Number	Page
Submarine Systems, Dispersion Shifted Fiber for Long Unrepeatered, M. Carratt, C. Reinaudo, R. Jocteur, and J-P. Trezeguet	4	384
Subsets, Terminals, and Terminal Adapters for the Public ISDN, D. Adolphs, P. Wagner, and T. Alvestad	1	72
Syntex 7000 Videotex System, J. Pirot and R. Vercammen	4	433
System 12 and Other Products, Telecommunication in Turkey:, M. Nollet, W. Spiessens, and D. Öcal	2	201
System 12: A Pan-European Product, K. Rothmaier and H. Verhille	2	153
System 12 Digital Exchange, Internal Packet Protocol and Associated Hardware for the, R. Betts, K. Mensen, and J. Ess Skinner	1	44
System 12 Digital Exchange, ISDN Transaction Architecture for the, A. Chalet and J. Ess Skinner	1	50
System 12 Generic Kernel, Software Technology Transfer of the, G. J. Wisdom	2	160
System 12 ISDN Exchanges, Models and Tools for Evaluating the Traffic Handling Performance of, B. Fontana, M. Villén-Altamirano, and G. H. Petit	1	104
System 12, ISDN Modules for, A. Chalet, H. Kreutzer, J. Schuhmacher, F. Van den Brande, and J. F. Zeigler	1	35
System 12 Technology Transfer to the People's Republic of China, Zhou Huasheng and M. Kerkhofs	2	186
Taiwan: Metaconta 10C to System 12, Technology Transfer to, Cheng-Wen Cheng and S. Y. Persson	2	194
Technical Training to Help Technology Recipients Become Self-Supporting, J.-M. Croymans	2	219
Technology and Engineering in Alcatel NV, Research, J. Blanché, H. Ohnsorge, and G. Zeidler	3	256
Technology Transfer: An Introduction, R. P. Harper	2	144
Technology Transfer of the System 12 Generic Kernel, Software, G. J. Wisdom	2	160
Technology Transfer, Planning for, B. Gervais	2	226
Technology Transfer Programme for the 5200 BCS Digital PABX, H. Gessinger, G. W. Hasler, and W. Hiller	2	166
Technology Transfer to Japan, Packet Switching Software, R. M. Simpson	2	213
Technology Transfer to Korea, J. Quaeyhaegens	2	208
Technology Transfer to Taiwan: Metaconta 10C to System 12, Cheng-Wen Cheng and S. Y. Persson	2	194
Technology Transfer to the People's Republic of China, System 12, Zhou Huasheng and M. Kerkhofs	2	186
Technology Transfer, Worldwide Telecommunication, R. Van Malderen	2	178
Telecommunication in Europe: An Opportunity for Alcatel NV, E. Davignon	3	245
Telecommunication in Turkey: System 12 and Other Products, M. Nollet, W. Spiessens, and D. Öcal	2	201
Telecommunication Service Systems and Other Network Enhancements, Public Networks:	3	320
Telephone Subsets and Office Terminals	3	340
Terminal Adapters for the Public ISDN, Subsets, Terminals, and, D. Adolphs, P. Wagner, and T. Alvestad	1	72
Terminals, and Terminal Adapters for the Public ISDN, Subsets, D. Adolphs, P. Wagner, and T. Alvestad	1	72
Tool for ISDN Planning and the Analysis of Communication Alternatives, J. Agustí and O. González Soto	1	90
Towards the Integrated Broadband Communication Network, F. Casali and S. R. Treves	1	131
Traffic Handling Performance of System 12 ISDN Exchanges, Models and Tools for Evaluating the, B. Fontana, M. Villén-Altamirano, and G. H. Petit	1	104
Transaction Architecture for the System 12 Digital Exchange, ISDN, A. Chalet and J. Ess Skinner	1	50
Transducer T800, Dynamic, M. Kjeldsen	4	410
Transfer of Alcatel E10 Exchange Technology to India, J.-M. Buzy-Debat and G. Farrenc	2	232
Transmission Group, J. Imbert	3	284
Transmission Network for Large Transportation Systems, Optical Telemonitoring and, J. Lecomte and M. Seguin	4	422
Transmission Products	3	350
Transmission, Reliable High Speed Bipolar ICs for Long Distance, J. Brierre, J-C. Cadene, J-Y. Fourrier, J-M. Thilliez, and D. Tribet	4	396
Transportation Systems, Optical Telemonitoring and Transmission Network for Large, J. Lecomte and M. Seguin	4	422
Turkey: System 12 and Other Products, Telecommunication in, M. Nollet, W. Spiessens, and D. Öcal	2	201
U Interface Circuit, Implementation of the, K. Széchényi and F. Zapf	1	57
Videotex System, Syntex 7000, J. Pirot and R. Vercammen	4	433
VM/Software Engineering, B. Nicolas and A. Veillon	4	453
Worldwide Telecommunication Technology Transfer, R. Van Malderen	2	178
5200 BCS Digital PABX, Technology Transfer Programme for the, H. Gessinger, G. W. Hasler, and W. Hiller	2	166

ELECTRICAL COMMUNICATION INDEX, VOLUME 61 (1987)

Author Index

	Number	Page
Aamlid, S., Hellvik, J. O., and Rossow, B., Experimental Private Broadband Information Network	1	118
Adolphs, D., Wagner, P., and Alvestad, T., Subsets, Terminals, and Terminal Adapters for the Public ISDN	1	72
Agustí, J., and González Soto, O., Tool for ISDN Planning and the Analysis of Communication Alternatives	1	90
Alonso, M., Bryan, M., Rossi, B., and Simons, W., ISDN Field Trials	1	6
Alvestad, T., *see* Adolphs, D.		
Andrich, W., Bostelmann, G., and Weygang, A., Concept and Realization of the Broadband ISDN	1	110
Auch, W., Schlemper, E., and Wenzel, W., Fiber Optic Gyroscope: An Advanced Rotation Rate Sensor	4	372
Bastide, C., *see* Bernard, J. J.		
Bauwens, J., and De Prycker, M., Broadband Experiment Using Asynchronous Time Division Techniques	1	123
Becker, D., and Gasser, L., ISDN Pilot Project of the Deutsche Bundespost	1	13
Bernard, J. J., Bastide, C., and Coutty, B., Reflectometers for Submarine Optical Cables	4	379
Betts, R., Mensen, K., and Skinner, J. Ess, Internal Packet Protocol and Associated Hardware for the System 12 Digital Exchange	1	44
Blanché, J., Ohnsorge, H., and Zeidler, G., Research, Technology and Engineering in Alcatel NV	3	256
Boettle, D., Dripke, T., and Eilenberger, G., Realization of a Broadband Exchange	4	428
Bostelmann, G., *see* Andrich, W.		
Brierre, J., Cadene, J-C., Fourrier, J-Y., Thilliez, J-M., and Tribet, D., Reliable High Speed Bipolar ICs for Long Distance Transmission	4	396
Bryan, M., *see* Alonso, M.		
Buzy-Debat, J.-M., and Farrenc, G., Transfer of Alcatel E10 Exchange Technology to India	2	232
Cadene, J.-C., *see* Brierre, J.		
Carratt, M., Reinaudo, C., Jocteur, R., and Trezeguet, J-P., Dispersion Shifted Fiber for Long Unrepeatered Submarine Systems	4	384
Casali, F., and Treves, S. R., Towards the Integrated Broadband Communication Network	1	131
Chalet, A., Kreutzer, H., Schuhmacher, J., Van den Brande, F., and Zeigler, J. F., ISDN Modules for System 12	1	35
Chalet, A., and Skinner, J. Ess, ISDN Transaction Architecture for the System 12 Digital Exchange	1	50
Cheng-Wen Cheng, and Persson, S. Y., Technology Transfer to Taiwan: Metaconta 10C to System 12	2	194
Cornillault, J., Duvent, J-L., Pierré, F., and de Miscault, J-C., High Resolution Submicron Granulometer	4	446
Cornu, J., Public Networks Sector	3	268
Coutty, B., *see* Bernard, J. J.		
Croymans, J-M., Technical Training to Help Technology Recipients Become Self-Supporting	2	219
Danneels, J. M., *see* Van Iseghem, P.		
Davignon, E., Telecommunication in Europe: An Opportunity for Alcatel NV	3	245
de Miscault, J-C., *see* Cornillault, J.		
De Prycker, M., *see* Bauwens, J.		
Dripke, T., *see* Boettle, D.		
Dujardin, R., and Lebret, Y-Y., New Generation of Radiofrequency Demodulation Digital Microwave Systems	4	404
Duvent, J. L., *see* Cornillault, J.		
Eilenberger, G., *see* Boettle, D.		
Ernest, J., Overview	4	370
Farrenc, G., *see* Buzy-Debat, J.-M.		
Ferroni, U., Outside Line Plant Group	3	298
Fink, G., *see* Kearsey, B. N.		
Flamant, B., and Girard, G., Intelligence Service: A Tool for Building Expert Systems	4	417
Fontana, B., Villén-Altamirano, M., and Petit, G. H., Models and Tools for Evaluating the Traffic Handling Performance of System 12 ISDN Exchanges	1	104
Fourrier, J-Y., *see* Brierre, J.		
Gasser, L., *see* Becker, D.		
Gervais, B., Planning for Technology Transfer	2	226
Gessinger, H., Hasler, G. W., and Hiller, W., Technology Transfer Programme for the 5200 BCS Digital PABX	2	166
Girard, G., *see* Flamant, B.		
Gluntz, P., Alcatel NV: Its Structure, Strategy and Technologies	3	251
González Soto, O., *see* Agustí, J.		
Harper, R. P., Technology Transfer: An Introduction	2	144
Hasler, G. W., *see* Gessinger, H.		
Hellvik, J. O., *see* Aamlid, S.		
Hiller, W., *see* Gessinger, H.		
Imbert, J., Transmission Group	3	284
Jacob, J-B., and Ruvoen, M., ISDN Introduction into the French Digital Telephone Network	1	19

	Number	Page
Jocteur, R., *see* Carratt, M.		
Kearsey, B. N., Fink, G., and Pioli Di Marco, F., ISDN Standards for Public and Private Networks	1	26
Kerkhofs, M., *see* Zhou Huasheng		
Kirchner, W., and Wagner, P., ISDN D Channel Protocol Simulator	1	97
Kjeldsen, M., Dynamic Transducer T800	4	410
Kreutzer, H., *see* Chalet, A.		
Krüger, A., *see* Van Iseghem, P.		
Lebret, Y.-Y., *see* Dujardin, R.		
Lecomte, J., and Seguin, M., Optical Telemonitoring and Transmission Network for Large Transportation Systems	4	422
Lichtenberg, L., Reusens, P. P., Taeymans, J. R., and Rigoli, C., Digital PABX Range for the Evolving ISDN	1	81
McFadden, B. J., Overview	2	142
Mensen, K., *see* Betts, R.		
Morris, D. J., and Quigley, M. P., Optical Systems for Remote Areas	4	389
Namy, X., Business Systems Group	3	276
Nicolas, B., and Veillon, A., VM/Software Engineering	4	453
Nollet, M., Spiessens, W., and Öcal, D., Telecommunication in Turkey: System 12 and Other Products	2	201
Öcal, D., *see* Nollet, M.		
Ohnsorge, H., *see* Blanché, J.		
Persson, S. Y., *see* Cheng-Wen Cheng		
Petit, G. H., *see* Fontana, B.		
Pierré, F., *see* Cornillault, J.		
Pioli Di Marco, F., *see* Kearsey, B. N.		
Pirot, J., and Vercammen, R., Syntex 7000 Videotex System	4	433
Quaeyhaegens, J., Technology Transfer to Korea	2	208
Quigley, M. P., *see* Morris, D. J.		
Rahier, M. C., *see* Van Iseghem, P.		
Reinaudo, C., *see* Carratt, M.		
Reusens, P. P., *see* Lichtenberg, L.		
Rigoli, C., *see* Lichtenberg, L.		
Robin, G., Overview	1	4
Rossi, B., *see* Alonso, M.		
Rossow, B., *see* Aamlid, S.		
Rothmaier, K., and Verhille, H., System 12: A Pan-European Product	2	153
Ruvoen, M., *see* Jacob. J.-B.		
Schlemper, E., *see* Auch, W.		
Schuhmacher, J., *see* Chalet, A.		
Seguin, M., *see* Lecomte, J.		
Simons, W., *see* Alonso, M.		
Simpson, R. M., Packet Switching Software Technology Transfer to Japan	2	213
Skinner, J. Ess, *see* Betts, R.		
Skinner, J. Ess, *see* Chalet, A.		
Spiessens, W., *see* Nollet, M.		
Steinberg, R. A., NOVELINK: A Small, Multifeature PABX	4	439
Suard, P., Overview	3	242
Széchényi, K., and Zapf, F., Implementation of the U Interface Circuit	1	57
Széchényi, K., *see* Van Iseghem, P.		
Taeymans, J. R., *see* Lichtenberg, L.		
Thilliez, J.-M., *see* Brierre, J.		
Treves, S. R., *see* Casali, F.		
Trezeguet, J.-P., *see* Carratt, M.		
Tribet, D., *see* Brierre, J.		
Van den Brande, F., *see* Chalet, A.		
Van Gestel, K., Corporate Data Network for Information Exchange	2	173
Van Iseghem, P., Danneels, J. M., Rahier, M. C., Krüger, A., and Széchényi, K., ISDN Components for Public and Private Digital Loops	1	63
Van Malderen, R., Worldwide Telecommunication Technology Transfer	2	178
Veillon, A., *see* Nicolas, B.		
Vercammen, R., *see* Pirot, J.		
Verhille, H., *see* Rothmaier, K.		
Villén-Altamirano, M., *see* Fontana, B.		
Wagner, P., *see* Adolphs, D.		
Wagner, P., *see* Kirchner, W.		
Wenzel, W., *see* Auch, W.		
Weygang, A., *see* Andrich, W.		
Wisdom, G. J., Software Technology Transfer of the System 12 Generic Kernel	2	160
Zapf, F., *see* Széchényi, K.		
Zeidler, G., *see* Blanché, J.		
Zeigler, J. F., *see* Chalet, A.		
Zhou Huasheng, and Kerkhofs, M., System 12 Technology Transfer to the People's Republic of China	2	186